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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/566,213	01/27/2006	Takeshi Sakamoto	126791	1017
25944 OLIFF & BERI	7590 04/11/200 RIDGE, PLC	EXAMINER		
P.O. BOX 3208	350	HARRIS, GARY D		
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			04/11/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/566,213	SAKAMOTO ET AL.
Office Action Summary	Examiner	Art Unit
	GARY D. HARRIS	1794
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet with t	he correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a reply of will apply and will expire SIX (6) MONTHS ute, cause the application to become ABANI	FION.  be timely filed  from the mailing date of this communication.  DONED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>27</u> This action is <b>FINAL</b> . 2b)☑ The 3)☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters	
Disposition of Claims		
4) ☐ Claim(s) 1-5 is/are pending in the application 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-5 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and.  Application Papers 9) ☐ The specification is objected to by the Examin	rawn from consideration.  /or election requirement.  ner.	
10) The drawing(s) filed on is/are: a) according a depth and	ne drawing(s) be held in abeyance. ection is required if the drawing(s)	See 37 CFR 1.85(a). s objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
<ul> <li>12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority docume</li> <li>2. Certified copies of the priority docume</li> <li>3. Copies of the certified copies of the priority application from the International Bure</li> <li>* See the attached detailed Office action for a list</li> </ul>	nts have been received. nts have been received in Appl iority documents have been rec au (PCT Rule 17.2(a)).	ication No beived in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1/27/06.	Paper No(s)/M	mary (PTO-413) ail Date nal Patent Application

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tagaya US 5,314,756 and further in view of Nee et al. US 4,869,971.

As to Claim 1 & 5, Tagaya '756 teaches rare earth magnets and the use of a dual layer protective film over the rare earth magnet (Col. 3, Line 25-49). Tagaya '756 recognizes the problems with pin holes associated with the protective layers but, is silent in regards to adjusting grain size in reduction of the number of pinholes (Col. 3, Line 25-49). However, Nee et al. '971 discloses a multilayered nickel alloy and adjusting the grain size between layers (Col. 3, Line 34-47) in order to improve mechanical properties. It would have been obvious to one skilled in the art to adjust the grain sizes of the Tagaya '756 rare earth magnet protective layers in order to improve mechanical properties as taught by Nee et al. '971.

As to Claim 2, Tagaya '756 discloses a first protective layer of 0.5 microns (Col. 7, Line 50-57).

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As to Claim 3, Tagaya '756 discloses growing the protective film in a columnar direction (Col. 9, Line 11-45).

As to Claim 4, Tagaya '756 discloses the advantages of using nickel plating on rare earth magnets (Col. 1, Line 33-44).

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GARY D. HARRIS whose telephone number is (571)272-6508. The examiner can normally be reached on 8AM - 5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Keith D. Hendricks can be reached on 571-272-1401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Holly Rickman/

Primary Examiner, Art Unit 1794

For Gary Harris